Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/14/2022 09:15 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124759	-1	1.62	124660	1.62
Blue	F	SSC	125000	124594	-1	3.23	125007	3.20
Blue	E	FITC	13602	13312	-3	2.41	374	12.92
Blue	D	PE	24891	24365	-3	1.83	578	9.81
Blue	B	PerCP-Cy5-5	33972	33337	-2	3.08	952	14.56
Blue	A	PE-Cy7	22865	22852	-1	4.95	477	29.04
Red	C	APC	47198	46947	-1	2.57	1625	11.19
Red	A	APC-Cy7	26454	25553	-4	3.12	725	11.80
Violet	B	V450	6737	6442	-5	3.89	453	11.27
Violet	A	V500	29317	28118	-5	3.46	966	8.49

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23942	2.81	529	-6	N/A	N/A	Pass
Blue	F	SSC	56220	2.28	513	-8	N/A	N/A	Pass
Blue	E	FITC	55	53.22	482	-2	0.0481	96	Pass
Blue	D	PE	113	37.06	484	-2	0.5337	374	Pass
Blue	B	PerCP-Cy5-5	151	40.18	576	-3	0.0210	72	Pass
Blue	A	PE-Cy7	80	75.43	619	-2	0.0247	2	Pass
Red	C	APC	340	25.15	571	-1	0.0297	182	Pass
Red	A	APC-Cy7	134	33.09	546	-5	0.0069	1168	Pass
Violet	B	V450	77	46.08	446	-4	0.0605	2375	Pass
Violet	A	V500	113	29.92	465	-4	0.0242	602	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.22	-31.99	1.04
Blue	20.35	16.28 - 24.42	1.27	1.03 - 1.55	0.00	0.00	1.42
Red	16.10	13.90 - 20.86	N/A	N/A	30.32	30.55	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 11464

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments